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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

NEWS 1	Web Page for STN Seminar Schedule - N. America
NEWS 2	JUN 06 EFFULL enhanced with 260,000 English abstracts
NEWS 3	JUN 06 KOREPAT updated with 41,000 documents
NEWS 4	JUN 13 USPATFULL and USPAT2 updated with 11-character patent numbers for U.S. applications
NEWS 5	JUN 19 CAS REGISTRY includes selected substances from web-based collections
NEWS 6	JUN 25 CA/Cplus and USPAT databases updated with IPC reclassification data
NEWS 7	JUN 30 AEROSPACE enhanced with more than 1 million U.S. patent records
NEWS 8	JUN 30 EMBASE, EMBAL, and LEMBASE updated with additional options to display authors and affiliated organizations
NEWS 9	JUN 30 STN on the Web enhanced with new STN AnaVist Assistant and BLAST plug-in
NEWS 10	JUN 30 STN AnaVist enhanced with database content from EPFULL
NEWS 11	JUL 28 CA/Cplus patent coverage enhanced
NEWS 12	JUL 28 EFFULL enhanced with additional legal status information from the epoline Register
NEWS 13	JUL 28 IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
NEWS 14	JUL 28 STN Viewer performance improved
NEWS 15	AUG 01 INPADOCDB and INPAFAMDB coverage enhanced
NEWS 16	AUG 13 CA/Cplus enhanced with printed Chemical Abstracts page images from 1967-1998
NEWS 17	AUG 15 CAOLD to be discontinued on December 31, 2008
NEWS 18	AUG 15 Cplus currency for Korean patents enhanced
NEWS 19	AUG 27 CAS definition of basic patents expanded to ensure comprehensive access to substance and sequence information
NEWS 20	SEP 18 Support for STN Express, Versions 6.01 and earlier, to be discontinued
NEWS 21	SEP 25 CA/Cplus current-awareness alert options enhanced to accommodate supplemental CAS indexing of exemplified prophetic substances
NEWS 22	SEP 26 WPIDS, WFINDEX, and WPIX coverage of Chinese and and Korean patents enhanced
NEWS 23	SEP 29 IFICLS enhanced with new super search field
NEWS 24	SEP 29 EMBASE and EMBAL enhanced with new search and display fields
NEWS 25	SEP 30 CAS patent coverage enhanced to include exemplified prophetic substances identified in new Japanese-language patents
NEWS 26	OCT 07 EPFULL enhanced with full implementation of EPC2000
NEWS 27	OCT 07 Multiple databases enhanced for more flexible patent number searching

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 08:03:15 ON 20 OCT 2008

FILE 'REGISTRY' ENTERED AT 08:04:28 ON 20 OCT 2008
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STRUCTURE FILE UPDATES: 17 OCT 2008 HIGHEST RN 1062752-24-2
DICTIONARY FILE UPDATES: 17 OCT 2008 HIGHEST RN 1062752-24-2

New CAS Information Use Policies. enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stnqgen/stndoc/properties.html>

=>
Uploading C:\Program Files\Stnexp\Queries\QUERIES\105384521.str



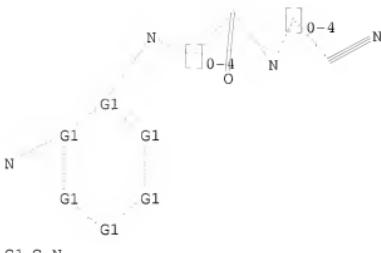
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chain nodes :  
10 11 12 13 14 15 16 17  
ring nodes :  
1 2 3 4 5 6  
ring/chain nodes :  
9  
chain bonds :  
3-9 6-10 10-11 11-12 12-13 12-17 13-14 14-15 15-16  
ring bonds :  
1-2 1-6 2-3 3-4 4-5 5-6  
exact/norm bonds :  
1-2 1-6 2-3 3-4 3-9 4-5 5-6 6-10 10-11 11-12 12-13 12-17 13-14 14-15  
15-16
```

G1:C,N

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 9:CLASS 10:CLASS 11:CLASS
12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS

L1 STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

```
=> s 11
SAMPLE SEARCH INITIATED 08:04:50 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      5038 TO ITERATE

39.7% PROCESSED      2000 ITERATIONS          1 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:      96504 TO    105016
PROJECTED ANSWERS:          1 TO      145

L2      1 SEA SSS SAM L1

=> s 11 full
FULL SEARCH INITIATED 08:04:54 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -  101953 TO ITERATE

100.0% PROCESSED      101953 ITERATIONS          11 ANSWERS
SEARCH TIME: 00.00.02

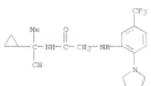
L3      11 SEA SSS FUL L1

=> s 13 and caplus/lc
      59346897 CAPLUS/LC
L4      1 L3 AND CAPLUS/LC

=> s 13 not 14
L5      10 L3 NOT L4

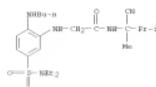
=> d 15 1-10
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L5 ANNOTER 1 OF 10 REGISTRY COPYRIGHT 2008 ACS on STN
 PR 1043119-89-6 REGISTRY
 ED Entered STN 01 Apr 2009
 CH Acetamide, N-(1-cyclo-1-cyclopropylethyl)-2-[2-(1-pyrrolidinyl)-5-
 (trifluoromethyl)phenyl]amino- (CA INDEX NAME)
 MF C22 H37 N3 O3 S
 SR Chemical Library
 Suppliers: ChemSynthesis
 LC STN File#: C00000075



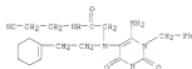
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANNOTER 2 OF 10 REGISTRY COPYRIGHT 2008 ACS on STN
 PR 1015121-16-0 REGISTRY
 ED Entered STN 01 Apr 2009
 CH Acetamide, 2-[2-(butylamino)-5-[(diethylamino)sulfonyl]phenylamino]-N-(1-
 (2-methylpropyl)-2-oxo-3-oxaspiro[4.4]octopropyl)- (CA INDEX NAME)
 MF C22 H37 N3 O3 S
 SR Chemical Library
 Suppliers: ChemSynthesis
 LC STN File#: C00000075



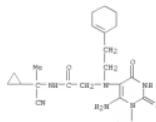
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANNOTER 3 OF 10 REGISTRY COPYRIGHT 2008 ACS on STN
 PR 1043119-89-6 REGISTRY
 ED Entered STN 01 Apr 2009
 CH Acetamide, 2-[4-amino-1,2,3,4-tetrahydro-2,4-dioxo-1-(phenylmethyl)-5-
 (trifluoromethyl)-1-(1-cyclohexen-1-yl)ethyl]amino-N-(1-cyanethyl)- (CA
 INDEX NAME)
 MF C22 H37 N3 O3 S
 SR Chemical Library
 Suppliers: ChemSynthesis
 LC STN File#: C00000075



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANNOTER 4 OF 10 REGISTRY COPYRIGHT 2008 ACS on STN
 PR 1015121-16-0 REGISTRY
 ED Entered STN 01 Apr 2009
 CH Acetamide, 2-[4-amino-1,2,3,4-tetrahydro-2,4-dioxo-1-(phenylmethyl)-5-
 (trifluoromethyl)-1-(1-cyclohexen-1-yl)ethyl]amino-N-(1-cyanethyl)-
 (1-cyclopropylethyl)- (CA INDEX NAME)
 MF C22 H37 N3 O3 S
 SR Chemical Library
 Suppliers: ChemSynthesis
 LC STN File#: C00000075



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANNOTEX 5 OF 10 REGISTRY COPYRIGHT 2008 ACS on STN

1G11223-40-7 REGISTRY

ED Entered STN: 31 Mar 2009

CH Acetamide, 2-[(4-amino-1,2,3,4-tetrahydro-2,4-dioxo-5-

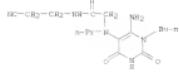
pyrimidinyl)propylamino]-N-(2-cyanoethyl)- (CA INDEX NAME)

MF

SR Chemical Library

Supplier: Aldrich

LC STN File#: C8EMCAT5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANNOTEX 6 OF 10 REGISTRY COPYRIGHT 2008 ACS on STN

1G11162-92-7 REGISTRY

ED Entered STN: 28 Mar 2008

CH Acetamide, 2-[(4-amino-1,2,3,4-tetrahydro-2,4-dioxo-5-

pyrimidinyl)propylamino]-N-(2-cyanoethyl)- (CA INDEX NAME)

MF

SR Chemical Library

Supplier: Aldrich

LC STN File#: C8EMCAT5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANNOTEX 7 OF 10 REGISTRY COPYRIGHT 2008 ACS on STN

1G11162-92-7 REGISTRY

ED Entered STN: 31 Mar 2009

CH Acetamide, 2-[(4-amino-1,2,3,4-tetrahydro-2,4-dioxo-1-(phenylmethyl)-5-

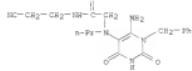
pyrimidinyl)propylamino]-N-(2-cyanoethyl)- (CA INDEX NAME)

MF

SR Chemical Library

Supplier: Aldrich

LC STN File#: C8EMCAT5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANNOTEX 8 OF 10 REGISTRY COPYRIGHT 2008 ACS on STN

1G11162-92-7 REGISTRY

ED Entered STN: 28 Mar 2008

CH Acetamide, 2-[(4-amino-1,2,3,4-tetrahydro-2,4-dioxo-5-

pyrimidinyl)propylamino]-N-(2-cyanoethyl)- (CA INDEX NAME)

MF

SR Chemical Library

Supplier: Aldrich

LC STN File#: C8EMCAT5

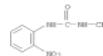


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANNUAL 9 OF 10 REGISTRY COPYRIGHT 2008 ACS on STN
RN 944061-34-7 REGISTRY
RD Acetamide, N-(1-cyano-1,2-dimethylpropyl)-2-[(5-nitro-2-
[phenyl]anilino)phenyl]amino]- (CA INDEX NAME)
MF
SR Chemical Library
Suppliers: Aurora Fine Chemicals
LC STN File#: C0000275



L5 ANNUAL 10 OF 10 REGISTRY COPYRIGHT 2008 ACS on STN
RN 500294-33-7 REGISTRY
RD Acetamide, N-(1-cyano-1,2-dimethylpropyl)-2-[(5-nitro-2-
[phenyl]anilino)phenyl]amino]- (CA INDEX NAME)
MF
SR Chemical Library
Suppliers: Aurora Fine Chemicals
LC STN File#: C0000275



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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=> fil caplus
COST IN U.S. DOLLARS
SINCE FILE          TOTAL
ENTRY          SESSION
FULL ESTIMATED COST          204.89          205.31
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FILE 'CAPLUS' ENTERED AT 08:06:43 ON 20 OCT 2008
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FILE COVERS 1907 - 20 Oct 2008 VOL 149 ISS 17
FILE LAST UPDATED: 19 Oct 2008 (20081019/ED)

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<http://www.cas.org/legal/infopolicy.html>

=> d his

(FILE 'HOME' ENTERED AT 08:03:15 ON 20 OCT 2008)

```
FILE 'REGISTRY' ENTERED AT 08:04:28 ON 20 OCT 2008
STRUCTURE uploaded
L1          1 S L1
L2          1 S L1 FULL
L3          11 S L1 FULL
L4          1 S L3 AND CAPLUS/LC
L5          10 S L3 NOT L4
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FILE 'CAPLUS' ENTERED AT 08:06:43 ON 20 OCT 2008

```
=> s 14
L6          2 L4
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=> d ibib abs hitstr 1-2

=> fil reg			
COST IN U.S. DOLLARS	SINCE FILE	TOTAL	
FULL ESTIMATED COST	ENTRY	SESSION	
	11.38	216.69	
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL	
CA SUBSCRIBER PRICE	ENTRY	SESSION	
	-1.60	-1.60	

FILE 'REGISTRY' ENTERED AT 08:07:23 ON 20 OCT 2008
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STRUCTURE FILE UPDATES: 17 OCT 2008 HIGHEST RN 1062752-24-2
DICTIONARY FILE UPDATES: 17 OCT 2008 HIGHEST RN 1062752-24-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

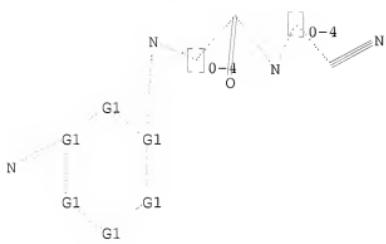
Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of



L7

STR



Structure attributes must be viewed using STN Express query preparation.

=> s 17
SAMPLE SEARCH INITIATED 08:08:00 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 5038 TO ITERATE

39.7% PROCESSED 2000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

2 ANSWERS



FULL SUBSET SCREEN SEARCH COMPLETED - 30 TO ITERATE
100.0% PROCESSED 30 ITERATIONS 30 ANSWERS
SEARCH TIME: 00.00.01

L11 30 SEA SUB=L9 SSS FUL L10

=> s 19 not 112
L12 NOT FOUND
The L-number entered could not be found. To see the definition
of L-numbers, enter DISPLAY HISTORY at an arrow prompt (>).
=> s 19 not 111
L12 46 L9 NOT L11
=> s 112 and caplus/lc
59346897 CAPLUS/LC
L13 37 L12 AND CAPLUS/LC
=> s 112 not 113
L14 9 L12 NOT L13
=> d 114 1-9

LI14 ANNOTEX 1 OF 9 REGISTRY COPYRIGHT 2008 ACS on STN

RE 1028318-11-8 REGISTRY

ED Entered STN 09 Jun 2008

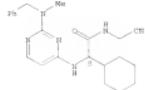
CH INDEX NAME NOT YET ASSIGNED

FS STEREOREGULAR

MF C24 H32 N O

SR Other Sources
Databases ChemSpider (ChenDoe, Inc.)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

LI14 ANNOTEX 2 OF 9 REGISTRY COPYRIGHT 2008 ACS on STN

RE 1027994-97-3 REGISTRY

ED Entered STN 06 Jun 2008

CH Pentanamide, N-(cyanomethyl)-2-[(2-[4-(2-furyl)-1-piperazinyl]-4-

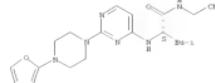
pyrimidinyl)amino]-4-methyl-, (2S)- (CA INDEX NAME)

FS STEREOREGULAR

MF C24 H32 N O

SR Other Sources
Databases ChemSpider (ChenDoe, Inc.)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

LI14 ANNOTEX 3 OF 9 REGISTRY COPYRIGHT 2008 ACS on STN

RE 1028318-11-8 REGISTRY

ED Entered STN 09 Jun 2008

CH Cyclohexanacetamide, N-(cyanomethyl)-a-[(2-[(phenylmethyl)amino]-4-

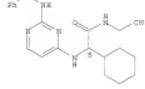
pyrimidinyl)amino]-, (aS)- (CA INDEX NAME)

FS STEREOREGULAR

MF C24 H32 N O

SR Other Sources
Databases ChemSpider (ChenDoe, Inc.)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

LI14 ANNOTEX 4 OF 9 REGISTRY COPYRIGHT 2008 ACS on STN

RE 1028318-11-8 REGISTRY

ED Entered STN 06 Jun 2008

CH Cyclohexanacetamide, a-[(2-[4-(4-chlorophenyl)-1-piperazinyl]-4-

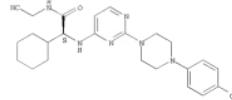
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FS STEREOREGULAR

MF C24 H32 N O Cl

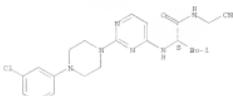
SR Other Sources
Databases ChemSpider (ChenDoe, Inc.)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

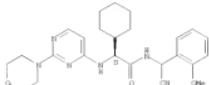
Absolute stereochemistry.



ASSESSMENT DATA SIGNIFICANCE IN THE LEARNED FORMATS

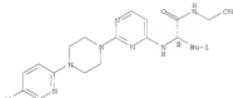
134 ANSWER# 6 OF 9 REGISTRY COPYRIGHT 2000 ACS ON STN
135 1025904-87-8 REGISTRY
136 Entered STN: 05 Jun 2008
137 Cyclohexanoneacetamide, N-[cyano(2-methoxyphenyl)methyl]-a-[(2-i-
138 morpholino)1-pyrimidinyl]amino-, (E)- (CA INDEX NAME)
139
140 PF 2000
141 CAS: 112-96-03
142 Other Sources
143 Databases: ChemSpider (ChenSoc, Inc.)

Absolute stereochemistry.



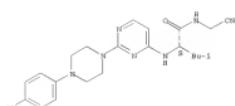
L14 ANSWER 7 OF 9 REGISTRY COPYRIGHT 2008 ACS on STN
NR T14216-35-0 REGISTRY
ED Entered STN 22 Jul 2004
C1 Pentamidine, 2-[2-[4-(5-chloro-2-pyridinyl)-1-piperazinyl]-4-
[4-(2-methoxyethyl)-N-(cyanethoxy)-4-methyl-, (2S)- (CA INDEX NAME)
MS C21 H27 C1 N8 O
CI COM
SK TCA

Absolute stereochemistry.



L34 ANNEKER 9 REGISTRY COPYRIGHT 2000 ACS on STN
 NH 714216-33-8 REGISTRY
 ED Entered STN: 22 Jul 2004
 CN Pentanamide
 2-[1-((2S)-2-methyl-2-phenylpropyl)-4-methyl-1-piperazinyl]-4-pyridinyl]amino]-
 W-[cyclohexylmethyl]- (2S)- (CA INDEX NAME)
 FS STEREOSEARCH
 MF C22 H28 Cl NT O
 CC COM

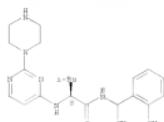
THEOLDRIDGE ET AL.



“PROPERTY DATA AVAILABLE IN THE ‘ESRI’ FORMAT”

114 NUMBER 9 OF 9 REGISTRY COPYRIGHT 2008 ACS ON STN
RN 714216-18-9 REGISTRY
RD 2008-01-01 2004
CN Pentanamide, N-[cyano[2-(methoxyphenyl)methyl]-4-methyl-1-2-[(2-1)-
piperazinyl]-4-pyridinyl]amino]-, (2S)- (CA INDEX NAME)
PS
MF C23 H31 N7 O2
CC1 C22 H31 N7 O2
SR CA

Absolute stereochemistry:



PROPERTY DATA AVAILABLE IN THE *PROD* FORMAT

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=> fil caplus
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                                                ENTRY        SESSION
FULL ESTIMATED COST                           244.99       461.68

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)      SINCE FILE      TOTAL
                                                ENTRY        SESSION
CA SUBSCRIBER PRICE                           0.00        -1.60

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FILE 'CAPLUS' ENTERED AT 08:09:56 ON 20 OCT 2008
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FILE COVERS 1907 - 20 Oct 2008 VOL 149 ISS 17
FILE LAST UPDATED: 19 Oct 2008 (20081019/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

⇒ d his

(FILE 'HOME' ENTERED AT 08:03:15 ON 20 OCT 2008)

L6 FILE 'CPLUS' ENTERED AT 08:06:43 ON 20 OCT 2008
2 S L4

```
FILE 'REGISTRY' ENTERED AT 08:07:23 ON 20 OCT 2008
L7           STRUCTURE uploaded
L8           2 S L7
L9           76 S L7 FULL
L10          STRUCTURE uploaded
L11          30 S L10 FULL SUB=L9
L12          46 S L9 NOT L11
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L13 37 S L12 AND CAPLUS/LC
L14 9 S L12 NOT L13

FILE 'CAPLUS' ENTERED AT 08:09:56 ON 20 OCT 2008

=> s l13 4 L13
L15

=> d ibib abs hitstr 1-4

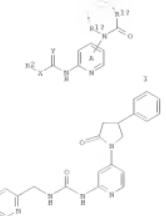
INVENTOR(S): **Yamashita 3 (GSK-3) β inhibitor**
Kuri, Masakuni; Oki, Hideyuki; Tsukamoto, Tetsuya;
Takada, Naoharu; Setoh, Masaki; Hirano, Takehiro
PATENT ASSIGNEE(S): **Shionogi Pharmaceutical Company Limited, Japan**
SOURCE: **PCT Int. App. No. 17990.**
COUNTRY: **FIXED**

DOCUMENT TYPE: **Patent**
LANGUAGE: **Japanese**
FAMILY ACC. NUM.: **1**
PATENT INFORMATION:

BT, EG, ED, MD, RD, TS, TM
PRIORITY APPLN. INFO.: JP 2006-278026 A 20061011

OTHER SOURCE(S): MAPAT 149:449469
GI

L15 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN [Continued]



AB The title compound, having N-(2-pyridylmethyl)-benzamides, and N-alkanamides [2; R₂ = H, each (un)substituted hydrocarbyl or heterocycly; R₃ = each (un)substituted hydrocarbyl, hydrocarboxyly, monocyclic heterocycly; or R₃NO₂ together represents (un)substituted mono-mono or tricyclic N-containing heterocycly; R₂ = each (un)substituted

hydrocarboxyl or heterocyclyl; $X = (m)$ substituted NH_2 , O , CONH_2 , bond Y or Z ; ring $A = \text{pyridine}$ ring optionally substituted by 1-3 substituents selected from the group of halo and lower alkyl or salts thereof were prepared. The compounds are GSK-3 β inhibitors and also proenators for differentiation of neural stem cells and are useful as prophylactic/therapeutic agents.

disease and diabetes. Thus, 0.5 ml 2,2,2-trichloroethyl chloroformate was added to a solution of 532 mg 1-(2-aminopropyl-4-yl)-1-phenylprolidin-2-one in 10 ml *CH₂Cl₂* and the resulting mixture was stirred for 10 min to give, after workup, an intermediate. The intermediate was stirred with a solution of 0.30 ml 1-*l*-lysine in 10 ml *CH₂Cl₂* for 1 h, then extracted with 3 M *NaOH* at 70° for 3 h to give, after workup and silica gel chromatography, 39 N-[4-(2-oxo-4-phenylprolidin-1-yl)propyl]lysine, a white solid, 120 mg, 60% yield, λ_{max} 280 nm, ϵ_{max} 12,000, $\text{pI} = 9.0$ against recombinant human $\text{GK}\beta\beta$.¹ Prolineformulations, e.g.,

N-Benzyl-N'-[4-(2-oxopyrrolidin-1-yl)pyridin-2-yl]urea, a tablet containing N-Benzyl-N'-[4-(2-oxopyrrolidin-1-yl)pyridin-2-yl]urea, were described.
 19. 1,0124-02-6, CAS No. 12,700,000-4, substituted 3-methoxy-3-oxo-1-oxo-1,3-dihydro-2H-pyrazine-2,4-dione, was prepared by the method of 14, 1-1.

115 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

ylipyridin-2-ylurea
NL: ENC (Pharmacological activity); SHW (Synthetic preparation); TSW (Therapeutic use); ECOL (Biological study); PREP (Preparation); USES (Uses)
(prep. of 2-aminoypyridine derivs. as glycogen synthase 3 (GSK-3 β) inhibitors and protractors for differentiation of neural stem cell for prevention and/or treatment of neurodegenerative disease and diabetes
NL 1019449-64-6 CAPU8

CC1=CC=C2C=C(C=C2C(=O)c3ccccc3)C1=CC4=C(C=C4C(=O)c5ccccc5)C=C4C(=O)N4C

REFERENCE COUNT: 81 THERE ARE 81 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L15 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:534183 CAPLUS
DOCUMENT NUMBER: 141:89367
TITLE: Preparation of amino acid derivatives as cathepsin
cysteine protease inhibitors
INVENTOR(S): McInally, Judith; Paireaudieu, Garry; Patel, Anil;

PATENT ASSIGNEE(S): Thon, Stephen
Astrazeneca Ab, Swed.
SOURCE: PCT Int. Appl., 34 pp.
CODE: PXXKD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

EM: BE, GR, GM, KE, LS, MM, MR, SD, SU, SE, TE, US, UN, SW, AR, AS,
BY, EG, ES, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CE, DE, DN,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SR,
TR, BE, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD

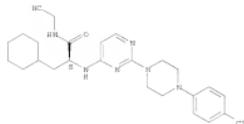
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EP 15 72667 A1 20050914 EP 2003-813325 20031211
EP 15 72667 B1 20070509

EP 15-12547	EP 15-12548
AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CS, EE, HU, SK	
JP 2006514948	T 20060518 JP 2004-560214
AT 361914	T 20070615 AT 2003-813325

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US 2006011364 A1 20060525 US 2005-538452 20050610
PRIORITY APPLN. INFO.: SE 2002-3712 A 20021231

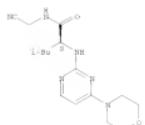
WO 2003-8E1931 W 20031211

particular
 cathepsin S. Thus, N-(2-morpholino-4-pyrimidinyl)-L-leucine
 (4-((2-morpholino-4-pyrimidinyl)methyl)alanine was prepared by addition of
 Boc-L-Leu-OBn
 (Boc = tert-butoxycarbonyl) with 2-MeOC₆H₄CH₂OH, followed by
 deprotection with formic acid and reaction with 2,4-difluoropyrimidine
 and



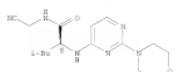
714216-28-1 CAPLOS
CH₃ Pentaanamide, N-(cyanoethyl)-4-methyl-2-[(2-[(4-morpholinyl)-2-pyrimidinyl]amino)-, (2S)- (CA INDEX NAME)

Absolute stereochemistry.



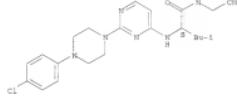
714216-29-2 CAPLOS
CH₃ Pentaanamide, N-(cyanoethyl)-4-methyl-2-[(2-[(4-morpholinyl)-2-pyrimidinyl]amino)-, (2S)- (CA INDEX NAME)

Absolute stereochemistry.



714216-29-3 CAPLOS
CH₃ Pentaanamide, N-(cyanoethyl)-2-[(2-[(4-hydroxy-4-phenyl-1-piperidinyl)-4-pyrimidinyl]amino)-4-methyl-, (2S)- (CA INDEX NAME)

Absolute stereochemistry.



CH₃ 2
CH₃ 74-05-2
CH₃ C2 H F2 O2

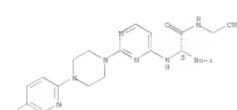


CH₃ 714216-30-5 CAPLOS
CH₃ Pentaanamide, 2-[(2-[(5-chloro-2-pyridinyl)-1-piperazinyl]-4-pyrimidinyl)amino]-N-(cyanoethyl)-4-methyl-, (2S), 2,2,2-trifluoroacetate (1:2) (CA INDEX NAME)

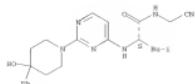
CH₃ 1

CH₃ 714216-35-0
CH₃ C2 H27 C1 NB O

Absolute stereochemistry.

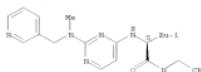


CH₃ 2



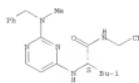
714216-35-7 CAPLOS
CH₃ Pentaanamide, N-(cyanoethyl)-4-methyl-2-[(2-[(4-methyl-3-pyridinyl)amino]-4-pyrimidinyl)amino)-, (2S)- (CA INDEX NAME)

Absolute stereochemistry.



714216-35-8 CAPLOS
CH₃ Pentaanamide, N-(cyanoethyl)-4-methyl-2-[(2-[(4-methyl-3-pyridinyl)amino]-4-pyrimidinyl)amino)-4-pyrimidinyl)amino-, (2S)- (CA INDEX NAME)

Absolute stereochemistry.



714216-36-9 CAPLOS
CH₃ Pentaanamide, 2-[(2-[(4-methyl-3-pyridinyl)-1-piperazinyl]-4-pyrimidinyl)amino]-N-(cyanoethyl)-4-methyl-, (2S), 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

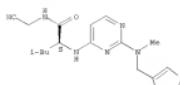
CH₃ 1

CH₃ 714216-33-0
CH₃ C2 H28 C1 NT O



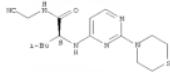
714216-37-2 CAPLOS
CH₃ Pentaanamide, N-(cyanoethyl)-4-methyl-2-[(2-[(methyl[3-thienyl]methyl)amino]-4-pyrimidinyl)amino)-, (2S)- (CA INDEX NAME)

Absolute stereochemistry.



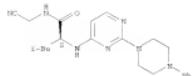
714216-38-0 CAPLOS
CH₃ Pentaanamide, N-(cyanoethyl)-4-methyl-2-[(2-[(4-thiomorpholinyl)-4-pyrimidinyl]amino)-, (2S)- (CA INDEX NAME)

Absolute stereochemistry.



714216-39-4 CAPLOS
CH₃ Pentaanamide, N-(cyanoethyl)-4-methyl-2-[(2-[(4-phenyl-1-piperazinyl)-4-pyrimidinyl]amino)-, (2S)- (CA INDEX NAME)

Absolute stereochemistry.



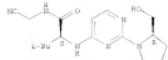
714216-40-7 CAPLUS
CH Pentanamide, N-(cyanoethyl)-2-[(2-[(2-(hydroxymethyl)-1-piperazinyl)-4-pyrimidinyl]amino)-4-methyl-, (2S)- (CA INDEX NAME)

Absolute stereochemistry.



714216-41-0 CAPLUS
CH Pentanamide, N-(cyanoethyl)-2-[(2-[(2-(hydroxymethyl)-1-pyrazidinyl)-4-pyrimidinyl]amino)-4-methyl-, (2S)- (CA INDEX NAME)

Absolute stereochemistry.



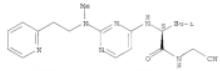
714216-41-3 CAPLUS
CH Pentanamide, N-(cyanoethyl)-2-[(2-[(4-hydroxy-1-piperazinyl)-4-pyrimidinyl]amino)-4-methyl-, (2S)- (CA INDEX NAME)

Absolute stereochemistry.



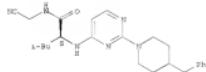
714216-45-2 CAPLUS
CH Pentanamide, N-(cyanoethyl)-4-methyl-2-[(2-[(4-phenylmethyl)-4-pyrimidinyl]amino)-4-methyl-, (2S)- (CA INDEX NAME)

Absolute stereochemistry.



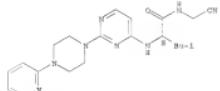
714216-45-3 CAPLUS
CH Pentanamide, N-(cyanoethyl)-4-methyl-2-[(2-[(4-(phenylmethyl)-4-pyrimidinyl)amino)-4-pyrimidinyl]amino)-4-methyl-, (2S)- (CA INDEX NAME)

Absolute stereochemistry.



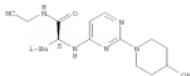
714216-45-4 CAPLUS
CH Pentanamide, N-(cyanoethyl)-4-methyl-2-[(2-[(4-(2-pyridinyl)-4-pyrimidinyl)amino)-4-pyrimidinyl]amino)-4-methyl-, (2S)- (CA INDEX NAME)

Absolute stereochemistry.



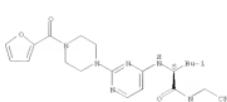
714216-45-5 CAPLUS
CH Pentanamide, N-(cyanoethyl)-4-methyl-2-[(2-[(4-phenyl)-1-piperazinyl)-4-pyrimidinyl]amino)-4-methyl-, (2S)- (CA INDEX NAME)

Absolute stereochemistry.



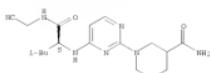
714216-47-0 CAPLUS
CH Pentanamide, N-(cyanoethyl)-2-[(2-[(4-(2-furyl)carbonyl)-1-piperazinyl)-4-pyrimidinyl]amino)-4-methyl-, (2S)- (CA INDEX NAME)

Absolute stereochemistry.



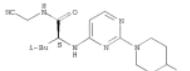
714216-44-1 CAPLUS
CH 3-Piperidinone, 1-[(2-[(4-[(1S)-1-(cyanoethyl)amino]carbonyl)-3-methylbutyl]amino)-2-pyridinyl]- (CA INDEX NAME)

Absolute stereochemistry.



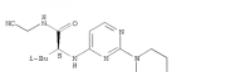
714216-45-6 CAPLUS
CH Pentanamide, N-(cyanoethyl)-4-methyl-2-[(2-[(2-[(2-hydroxyethyl)-1-piperazinyl)-4-pyrimidinyl]amino)-4-methyl-, (2S)- (CA INDEX NAME)

Absolute stereochemistry.



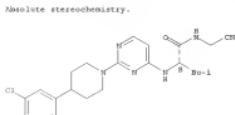
714216-49-6 CAPLUS
CH Pentanamide, N-(cyanoethyl)-2-[(2-[(4-(2-hydroxyethyl)-1-piperazinyl)-4-pyrimidinyl]amino)-4-methyl-, (2S)- (CA INDEX NAME)

Absolute stereochemistry.



714216-50-0 CAPLUS
CH Pentanamide, 2-[(2-[(3-chlorophenyl)-1-piperazinyl]-4-pyrimidinyl)amino)-4-methyl-, (2S)- (CA INDEX NAME)

Absolute stereochemistry.



714216-51-0 CAPLUS
CH Pentanamide, N-(cyanoethyl)-4-methyl-2-[(2-[(4-phenoxyl)-1-piperazinyl)-4-pyrimidinyl]amino)-4-methyl-, (2S)- (CA INDEX NAME)

Absolute stereochemistry.


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=> fil reg
COST IN U.S. DOLLARS                               SINCE FILE      TOTAL
                                                    ENTRY          SESSION
FULL ESTIMATED COST                           24.68          486.36
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)      SINCE FILE      TOTAL
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CA SUBSCRIBER PRICE                           -3.20          -4.80
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FILE 'REGISTRY' ENTERED AT 08:13:22 ON 20 OCT 2008
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STRUCTURE FILE UPDATES: 17 OCT 2008 HIGHEST RN 1062752-24-2
DICTIONARY FILE UPDATES: 17 OCT 2008 HIGHEST RN 1062752-24-2

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ring nodes :
1 2 3 4 5 6
ring/chain nodes :
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chain bonds :
3-9 6-10 10-11 11-12 12-13 12-17 13-14 14-15 15-16
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
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15-16

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G1:C,N

Match level :

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1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 9:CLASS 10:CLASS 11:CLASS
12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS

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L16 STRUCTURE UPLOADED

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L16 HAS NO ANSWERS

Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SCREEN SEARCH COMPLETED - 5038 TO ITERATE

39.7% PROCESSED 2000 ITERATIONS 2 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
PROJECTED ITERATIONS: 96504 TO 105016
PROJECTED ANSWERS: 2 TO 234
BATCH **COMPLETE**

L17 2 SEA SSS SAM L16

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FULL SCREEN SEARCH COMPLETED - 101953 TO ITERATE
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SEARCH TIME: 00.00.01

L18 34 SEA SSS FUL L16

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L19 21 L18 AND CAPLUS/LC

=> s 118 not 119
L20 13 L18 NOT L19

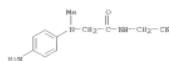
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L10 ANSWER 1 OF 13 REGISTRY COPYRIGHT 2008 ACS on STN
 ID 1039831-04-5 REGISTRY
 ED 2008-05-22 10:45:09
 CH Acetamide, 2-[(4-anisophenyl)methylamino]-N-(2-cyanoethyl)- (CA INDEX NAME)
 MF C14 H24 N4 O
 SR Chemical Catalog
 Supplier: UtkroGsynthesis
 LC STN Files: C0000075



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L10 ANSWER 2 OF 13 REGISTRY COPYRIGHT 2008 ACS on STN
 ID 1039839-76-6 REGISTRY
 ED 2008-05-22 10:45:09
 CH Acetamide, 2-[(4-anisophenyl)methylamino]-N-(cyanoethyl)- (CA INDEX NAME)
 MF C14 H24 N4 O
 SR Chemical Catalog
 Supplier: UtkroGsynthesis
 LC STN Files: C0000075



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L10 ANSWER 3 OF 13 REGISTRY COPYRIGHT 2008 ACS on STN
 ID 103940-08-1 REGISTRY
 ED Entered STN: 10 Jun 2009
 CH Urea, N-(2-cyano-1-(4-nitrophenyl)ethyl)-N'-(4-nitrophenyl)- (CA INDEX NAME)
 MF C14 H24 N4 O2
 SR Other Sources
 Databases: ChemSpider (ChenDoo, Inc.)



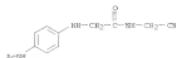
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L10 ANSWER 4 OF 13 REGISTRY COPYRIGHT 2008 ACS on STN
 ID 103221-08-1 REGISTRY
 ED Entered STN: 25 May 2009
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 MF C17 H24 N4 O2
 SR Other Sources
 Databases: Chem3D (University of California Irvine)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L10 ANSWER 5 OF 13 REGISTRY COPYRIGHT 2008 ACS on STN
 PR 1020981-63-8 REGISTRY
 ED 2007-03-04 REGISTRY
 CS Acetamide, 2-[(4-(acetylamino)phenyl)amino]-N-(cyanosethyl)- (CA INDEX NAME)
 MF C14 H14 N4 O2
 SR Chemical Catalog
 Supplier: Aurora Fine Chemicals
 LC STN File#: C0000075



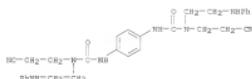
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L10 ANSWER 6 OF 13 REGISTRY COPYRIGHT 2008 ACS on STN
 PR 1020981-63-0 REGISTRY
 ED 2007-03-04 REGISTRY
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 SR Chemical Catalog
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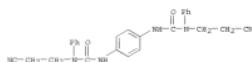
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L10 ANSWER 7 OF 13 REGISTRY COPYRIGHT 2008 ACS on STN
 PR 90273-14-9 REGISTRY
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 SR Other Sources
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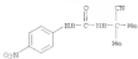
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L10 ANSWER 8 OF 13 REGISTRY COPYRIGHT 2008 ACS on STN
 PR 90273-14-9 REGISTRY
 ED Entered STN: 20 Sep 2006
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 SR Other Sources
 Database: NCI 3D (National Cancer Institute)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L10 ANMWER 9 OF 13 REGISTRY COPYRIGHT 2008 ACS on STN
 RS 940275-17-3 REGISTRY
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 SR Chemical Library
 Supplier: Acon Consulting and Solutions GmbH
 LC STN Fileas: CRENCA75



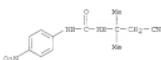
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L10 ANMWER 10 OF 13 REGISTRY COPYRIGHT 2008 ACS on STN
 RS 380332-15-0 REGISTRY
 RD 2000-09-27 10:00:00-00:00
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 MW C22 H30 N4 O3
 SR Chemical Library
 Supplier: Acon Consulting and Solutions GmbH
 LC STN Fileas: CRENCA75



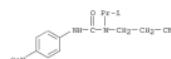
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L10 ANMWER 11 OF 13 REGISTRY COPYRIGHT 2008 ACS on STN
 RS 24241-14-0 REGISTRY
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 MW C11 H12 N4 O3
 SR Chemical Library
 Supplier: Oak Samples Ltd.
 LC STN Fileas: CRENCA75



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L10 ANMWER 12 OF 13 REGISTRY COPYRIGHT 2008 ACS on STN
 RS 231270-00-0 REGISTRY
 RD Entered STN: 27 Sep 2000
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 MW C13 H14 N4 O3
 SR Chemical Library
 Supplier: Cognex International Inc.
 LC STN Fileas: CRENCA75



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L10 NUMBER 13 OF 13 REGISTRY COPYRIGHT 2009 ACS on STN
RN 283059-79-6 REGISTRY
RD 2009-01-01 10:00
CN Urea, N-(2-cyanoethyl)-N-(4-nitrophenyl)-N-(3-pyridylmethyl)- [CA
INCHI] NCCC(C#N)c1ccc(cc1)N(c2ccccc2)C(=O)c3ccccc3[N+](=O)[O-]
INCHI2 NCCC(C#N)c1ccc(cc1)N(c2ccccc2)C(=O)c3ccccc3[N+](=O)[O-]
MF C12H14N4O3
SR Chemical Library
Supplied by Chemicals International Inc.
LC STN Files: C00000078



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FILE COVERS 1907 - 20 Oct 2008 VOL 149 ISS 17
 FILE LAST UPDATED: 19 Oct 2008 (20081019/ED)

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FILE 'REGISTRY' ENTERED AT 08:04:28 ON 20 OCT 2008
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 L3 11 S L1 FULL
 L4 1 S L3 AND CAPLUS/LC
 L5 10 S L3 NOT L4

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 L11 30 S L10 FULL SUB=L9
 L12 46 S L9 NOT L11

L13 37 S L12 AND CAPLUS/LC
L14 9 S L12 NOT L13

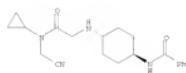
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L15 4 S L13

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L17 2 S L16
L18 34 S L16 FULL
L19 21 S L18 AND CAPLUS/LC
L20 13 S L18 NOT L19

FILE 'CAPLUS' ENTERED AT 08:14:29 ON 20 OCT 2008

=> s l19 18 L19

=> d ibib abs hitstr 1-18



The preparation of 4-amino-1-methyl-3-(4-nitrophenyl)imidazolidin-2-one (In-1) and its 1-methyl- and 1,2-dimethyl- derived (In-2 and In-3) is reported.

Derivatives of In-1 and In-3 are 4-nitrophenyl isocyanates. The pK_a-values of the latter were determined

spectrophotometrically in aqueous buffers. MeOH is the strongest base. The 1H NMR spectra of the

imines show E,Z-isomers around the C=C bond, the major isomer assigned as E. Depending on the solvent, the concentration and the temperature various states of exchange on the NMR scale were observed. The broadening of the signals of the

Ph-*o*-protons is characteristic. Two-dimensional 1H-1H ESR in DMSO-d₆ indicates exchange between the imidazolidin-2-one proton and the water. The rates of exchange on the three sites were determined by the

2D-ESR program. In-3 exchanges faster than In-1. The slow E,Z-isomerization on the NMR time-scale of C=N imines is especially

unusual and is discussed in terms of the mechanism of proton transfer.

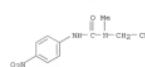
17 5594-49-0P 700841-56-3P 700841-60-7P

ICL RCT (Reactant); SMI (Synthetic preparation); PEP (Preparation); RACT (Reaction); RCM (Ring closing metathesis); RCM (Ring closing metathesis); RCM (preparation, pK_a-values, E,Z-isomerism and exchange of amino proton of

4-amino-1-methyl-3-(4-nitrophenyl)imidazolidin-2-one)

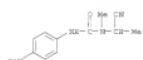
3H 5594-49-0P 700841-56-3P 700841-60-7P

CH Urca, N-[cyanoethyl]-N-methyl-N'-(4-nitrophenyl)- (CA INDEX NAME)



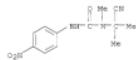
RU 700841-58-3 CAPLUS

CH Urca, N-(1-cyanoethyl)-N-methyl-N'-(4-nitrophenyl)- (CA INDEX NAME)



RU 700841-60-7 CAPLUS

CH Urca, N-(1-cyanoethyl)-N-methyl-N'-(4-nitrophenyl)- (CA INDEX NAME)



REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

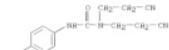
L31 ANTHONY 11 OF 18 CAPTION: COPYRIGHT 2009 ACS ON STN
 ACCESS NUMBER: 1980-662587 CAPTION: 2009
 AUTHOR(S): ANTHONY, R. J. JR.
 ORIGINAL REFERENCE NO.: 9310123A, 2010a
 TITLE: Sweet taste receptor. Evidence of separate specific
 receptors for glucose and nitrate/guanidine groups in
 sweeteners
 TYPE: Article
 JOURNAL: J. Biol. Chem.
 LAB: Biochim. Biophys. Res. Commun. Dept. Med. Chemis-Carrel, Lyon,
 FRA
 SOURCE: Nitrate-guanidino (1980), 67(14), 193-6
 COUNTRY: FRANCE; ISSN: 0021-9298-1542
 DOCUMENT TYPE: Journal
 PAGES: 193-6
 ABSTRACT: In taste of 16 compounds, the NH3 and CH groups in sweeteners acted on
 sweet taste receptors similarly, and both acted differently from the COO-
 group. The sweet taste receptor may have 2 specific sites, 1 for the
 NH3 and CH groups, and 1 for the COO- group.
 17 REFERENCES
 17 PROPERTIES
 (sweeteners taste receptor response to)
 CH Urea, N-(2-methylpropyl)-N-(4-nitrophenyl)- (CA INDEX NAME)



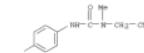
L23. ANSWER 13 OF 16 CAPTION COPYRIGHT 2008 ACM on BEH
ANSWER NUMBER 1966-18945 CAPTION
ORIGINAL REFERENCE NO.: 644-3413-0
TITLE: 1,1-bis(4-chlorophenyl) ureas as selective herbicides
AUTHOR(S): John V. Kroell, Harry Peterson, Janet B. Geigy Chemical Corp.
PATENT ASSIGNEE(S): Geigy Chemical Corp.
DOCUMENT TYPE: 3 pp., Division of U.S. 3,334,663 (61, 31176)
LANGUAGE: Unavailable
PCT. NUM. COUNT: 1
PATENT INFORMATION:

GI For diagrams(s), see printed CA issue.
 AS It can be formulated into comgs. to provide selective control of weeds
 AS-1,3-dichlorophenyl-1-methyl-1-cyanomethylureas is prepared by
 treating 57
 parts 2,4-dichlorophenyl isocyanate in 130 parts dry C6H6 with a
 solution of
 22 parts N-methylamino-acetonitrile in 150 parts of dry C6H6 at
 40-50° for 1.5 hrs.; total yield is 70%; 100-64

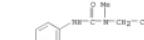
B9 4954-36-3 CAPL/88
 C9 0163, 2-(*p*-acetoxiisophenyl)-2-(cyanomethyl)-2-methyl- (6CI, 7CI, 8CI)



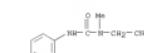
L21 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2000 ACS on STN (Continued)
INDEX NAME>



BN 4954-37-4 CAPLOS
CN Urea, 1-[cyanostethyl]-3-[p-(dimethylamino)phenyl]-1-methyl- (6CI, 8CI)
(CA INDEX NAME)



31 5594-49-0 CAPL08



O=[N+]([O-])c1ccccc1

ACCESSION NUMBER: 1964-664372 CAPLOS

DOCUMENT NUMBER: 6111137a-c

ORIGINAL REFERENCE NO.: 6111137a-c

TITLE: A pharmacologic study of some hydroxamic acid esters
AUTHOR(S): Kirkville Coll. Otolaryngy & Surgery, Kirkville, MO

CORPORATE SOURCE: Kirkville Coll. Otolaryngy & Surgery, Kirkville, MO

SOCRATES: JOURNAL OF THE AMERICAN OTOLOGICAL ASSOCIATION

VOLUME: 61, NUMBER: 1, PAGES: 87-93

CDSN: JAOA62 ISSN: 0099-6151

DOCUMENT TYPE: Cited reference

LANGUAGE: Unavailable

GE: For reference only, not printed on label.

AB: A series of hydroxamic acid esters were synthesized, viz.,

N-cyanoethyl-2-methoxydiphenylamine (I),

N-cyanoethyl-3-(4-methoxyphenyl)-2-methoxydiphenylamine (II),

N-cyanoethyl-3-(4-methoxyphenyl)-4-methoxydiphenylamine (III),

N-(cyanoethyl)-3-(p-nitrophenyl)diphenylamine (IV) and

N-(cyanoethyl)-3-(p-nitrophenyl)diphenylmethoxydiphenylamine (V).

III had a stimulating effect on the respiratory system and acted as a Lewis acid. The effect was dose related. The effect of IV and V was reduced by its amide group. I lacked pharmacol. activity and could not act as a Bronchodil. acid because its nitrile group stabilized the N at the methylene group. I did not react with acid chloride or an

isocyanate, indicating that the N at the N was unavailable for chemical reaction.

121, 0.5 g./kg. body weight, produced respiratory stimulation. A hydroxamic acid ester must apparently be able to function as a Lewis acid in order to have pharmacol. activity.

17 97310-37-3, Urea, 1-(dimethylaminyl)-3-(cyanoethyl)-3-(p-nitrophenyl)-

(pharmacology of)

97310-38-4, Urea, 3-(p-nitrophenyl)-1-(cyanoethyl)-

CH Acetamide, 2-cyano-N-[(4-nitrophenyl)amino]carbonyl-N-(4-phenylmethoxy)-

(CA INDEX NAME)



O2N-C6H4-O-CH2-Ph

NH-C(=O)-NH-CH2-CH3

CN

MeO2Ph

O2N-C6H4-O-CH2-CH3

NH-C(=O)-NH-CH2-CH3

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	98.58	794.91
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-14.40	-19.20

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